

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-21 (Cancelled)

22. (new): A method of transferring pulp from a treatment performed in at least so-called medium consistency to screening while separating gas from said pulp and diluting the pulp to a screening consistency, comprising the steps of;

separating gas from the at least medium consistency pulp by means of a rotor;
pumping the pulp to screening; and
diluting pulp after the gas separation and prior to screening consistency.

23. (New): A method according to claim 22, wherein the treatment performed in at least medium consistency is oxygen delignification.

24. (New): A method according to claim 22, wherein the treatment performed in at least medium consistency is washing following oxygen delignification.

25. (New): A method according to claim 22, wherein said treatment is washing, comprising the step of diluting the pulp from the discharge consistency of the washing treatment to medium consistency.

26. (New): A method according to claim 25, wherein the dilution is performed with assistance of a bottom scraper (22).

27. (New): A method according to claim 22, wherein the gas separation is performed by means of a turbulence-forming rotor (32).

28. (New): A method according to claim 22, wherein the gas separation is performed by means of a pump (26) provided with a rotor capable of separating gas from the pulp.

29. (New): A method according to claim 22, wherein the pulp is diluted from said at least medium consistency to a consistency higher than the screening consistency.

30. (New): A method according to claim 22, wherein the pulp is diluted to a consistency of about 1-3%.

31. (New): An arrangement for transferring pulp from a treatment in at least medium consistency to screening in low consistency, the arrangement comprising at least a pulp treatment apparatus operating in at least so-called medium consistency, means for separating gas, a dilution apparatus, and a pump (26) for transferring the pulp to screening (50), comprising rotor means (26; 32) for separating gas arranged between the treatment (5) and said dilution apparatus (28), and the pump (26) arranged between the treatment (5) and the screening (50).

32. (New): An arrangement for transferring pulp as recited in claim 31, wherein said pulp treatment apparatus (5) is a washing apparatus.

33. (New): An arrangement for transferring pulp as recited in claim 31, wherein said pulp treatment apparatus (5) is pressurized drum washer, suction drum washer, wire press or a wash press.

34. (New): An arrangement for transferring pulp as recited in claim 31, wherein the pulp treatment apparatus (5) is an oxygen delignification stage.

35. (New): An arrangement for transferring pulp as recited in claim 31, wherein said gas separating means is a centrifugal pump (26) provided with a rotor capable of separating gas from medium consistency pulp.

36. (New): An arrangement for transferring pulp as recited in claim 31, wherein said gas separating means is a turbulence-forming rotor (32) arranged in a drop leg (30) prior to the pump (26).

37. (New): An arrangement for transferring pulp as recited in claim 31, wherein said dilution apparatus is a rotary or static mixer (28) arranged downstream of said gas separating rotor means (26; 32).

38. (New): An arrangement for transferring pulp as recited in claim 31, wherein said dilution apparatus is a centrifugal pump.